

CLAIMS

We claim:

1 Claim 1 (original): An article of manufacture for use in a computer system for providing assistance
2 to a programmer writing computer programming code, said assistance comprising suggested
3 candidates responsive to a parsing of a partial program instruction statement, said article of
4 manufacture comprising a computer-useable storage medium having a computer program embodied
5 in said medium which causes the computer system to execute method steps comprising:

6 parsing a program containing the partial program instruction statement to identify variables
7 contained in the program;

8 parsing the partial program instruction statement to generate proposals; and

9 providing proposals to append to the partial program instruction statement to a user
10 responsive to both the parsing of the program and the parsing of the partial program instruction
11 statement.

1 Claim 2 (original): The article of manufacture of claim 1 wherein the method further comprises:

2 proposing an identified variable as a proposal responsive to a verb of the partial program
3 instruction statement.

1 Claim 3 (original): The article of manufacture of claim 1 wherein the method further comprises:

2 proposing an identified variable as a proposal responsive to a variable type of the variable.

1 Claim 4 (original): The article of manufacture of claim 1 wherein the method further comprises:

2 proposing an identified variable as a proposal responsive to a verb of the partial program
3 instruction statement and responsive to a variable type of the variable.

1 Claim 5 (original): The article of manufacture of claim 1 wherein the method further comprises:
2 proposing an identified variable as a proposal responsive to a portion of the program
3 containing the partial program instruction statement.

1 Claim 6 (original): The article of manufacture of claim 1 wherein the parsing of the program and
2 the parsing of the partial program instruction statement are performed according to a user-selected
3 programming language dependent file selected from a plurality of programming language dependent
4 files.

1 Claim 7 (original): A method of providing a code assist function which suggests candidates
2 responsive to a parsing of a partial program instruction statement, said method comprising:
3 parsing a program containing the partial program instruction statement to identify variables
4 contained in the program;
5 parsing the partial program instruction statement to generate proposals; and
6 providing proposals to append to the partial program instruction statement to a user
7 responsive to both the parsing of the program and the parsing of the partial program instruction
8 statement.

1 Claim 8 (original): The method of claim 7 further comprising:
2 proposing an identified variable as a proposal responsive to a verb of the partial program
3 instruction statement.

1 Claim 9 (original): The method of claim 7 further comprising:
2 proposing an identified variable as a proposal responsive to a variable type of the variable.

1 Claim 10 (original): The method of claim 7 further comprising:
2 proposing an identified variable as a proposal responsive to a verb of the partial program
3 instruction statement and responsive to a variable type of the variable.

1 Claim 11 (original): The method of claim 7 further comprising:
2 proposing an identified variable as a proposal responsive to a portion of the program
3 containing the partial program instruction statement.

1 Claim 12 (original): The method of claim 7 wherein the parsing of the program and the parsing of
2 the partial program instruction statement are performed according to a user-selected programming
3 language dependent file selected from a plurality of programming language dependent files.

1 Claim 13 (original): A computer system for providing a code assist function which suggests
2 candidates responsive to a parsing of a partial program instruction statement, said computer system
3 comprising:
4 a parser for parsing a program containing the partial program instruction statement to identify
5 variables contained in the program;
6 a parser for parsing the partial program instruction statement to generate proposals; and
7 proposals provided to a user to append to the partial program instruction statement responsive
8 to both the parsing of the program and the parsing of the partial program instruction statement.

1 Claim 14 (original): The computer system of claim 13 wherein an identified variable is proposed as
2 a proposal responsive to a verb of the partial program instruction statement.

1 Claim 15 (original): The computer system of claim 13 wherein an identified variable is proposed as
2 a proposal responsive to a variable type of the variable.

1 Claim 16 (original): The computer system of claim 13 wherein an identified variable is proposed as
2 a proposal responsive to a verb of the partial program instruction statement and responsive to a
3 variable type of the variable.

1 Claim 17 (original): The computer system of claim 13 wherein an identified variable is proposed as
2 a proposal responsive to a portion of the program containing the partial program instruction
3 statement.

1 Claim 18 (original): The computer system of claim 13 wherein the parsing of the program and the
2 parsing of the partial program instruction statement are performed according to a user-selected
3 programming language dependent file selected from a plurality of programming language dependent
4 files.